

**Corrigendum for the paper
“Number of representations of integers by binary forms”,
Publ. Math. Debrecen 85/1–2 (2014), 233–255**

By DIVYUM SHARMA (Mumbai) and N. SARADHA (Mumbai)

On page 251, line 20, the value of S should be

$$S = Y_0 + \frac{1}{r} + \frac{q}{1 - \frac{\log\left(\frac{5Y_0+2}{2Y_0}\right)}{\frac{1}{2}\log p - \frac{1}{2r-2}\log r}},$$

i.e., one more than the value given in the paper. This change in the value of S has necessitated different choices of the parameters a, b, Y_0, p_0, q for the computation of c_0 and c'_0 . We give these values in the table below.

r	(a, b)	(Y_0, p_0, q, c_0)	(Y_0, p_0, q, c'_0)
≥ 28	(0.4, 0.48)	(4, 13, 1.02, 210)	(2, 43, 1.54, 10)
24 – 27	(0.4, 0.48)	(4, 13, 1.02, 227)	(2, 43, 1.54, 10)
18 – 23	(0.4, 0.48)	(4, 13, 1.02, 233)	(2, 109, 2.01, 10)
13 – 17	(0.4, 0.48)	(4, 13, 1.02, 244)	(2, 127, 2, 11)
11 – 12	(0.4, 0.48)	(4, 13, 1.1, 260)	(2, 127, 2, 11)
9 – 10	(0.3, 0.36)	(4, 13, 1.1, 288)	(1, 127, 2, 12)
6 – 8	(0.3, 0.36)	(4, 17, 1.1, 346)	(1, 127, 2, 14)
4 – 5	(0.2, 0.24)	(4, 17, 1.1, 464)	(1, 127, 2, 18)
3	(0.1, 0.15)	(4, 17, 1.1, 684)	(1, 127, 2, 27)

The statements of Theorems 1 and 2 on pages 235 and 237, respectively and their proofs on pages 252–253 are valid with the values of the parameters given

in the table. Also, we may take the value of μ_1 as 4.41 in (ii) of Theorem 2. Further, we mention below the pages where the numerical values of these parameters appeared and the corresponding changes.

Page 235, last line : $r \geq 28$

Page 236, line 1 : $r \geq 18$

Page 237, lines 20–22: (8) is better for $\epsilon \geq 0.81$ if (ii) holds.

Page 238, line 1: $Y_0 = 4$ gives a better ...

Page 253, line 7: Since $p_0 \leq 127$ and $\mu \leq 4.41(r - 1)$...

Further, we mention the following omissions.

Page 236, line 23: the exponent of $|D(F)|$ should be $1/(r(r - 1))$.

Page 239, line 6: the right hand side should be multiplied with a_0^{r-1} .

DIVYUM SHARMA
SCHOOL OF MATHEMATICS
TATA INSTITUTE
OF FUNDAMENTAL RESEARCH
HOMI BHABHA ROAD
MUMBAI-400 005
INDIA

E-mail: divyum@math.tifr.res.in

N. SARADHA
SCHOOL OF MATHEMATICS
TATA INSTITUTE
OF FUNDAMENTAL RESEARCH
HOMI BHABHA ROAD
MUMBAI-400 005
INDIA

E-mail: saradha@math.tifr.res.in

(Received 26 August, 2014)